



Automating systematic reviews with library systems: Are Primo and Alma APIs a pain reliever?

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A photograph of a clear glass filled with water, sitting on a dark, textured surface. Two white, oval-shaped pills are lying on the surface next to the glass. A white rectangular box with a thin black border is superimposed over the middle of the glass, containing the title text.

AUTOMATING SYSTEMATIC REVIEWS WITH LIBRARY SYSTEMS

Are Primo and Alma APIs a
pain reliever?

Peta Hopkins, Bond University
ANZREG 2018

WHAT IS SO PAINFUL ABOUT SYSTEMATIC REVIEWS ANYWAY?

- Accuracy of translating searches across database interfaces
- Volume of citations to be managed and screened for:
 - Relevance to review
 - Availability of full text and download
 - Document delivery requests

I wonder if there is a systematic review on the effect of systematic reviews on repetitive strain injury?

Sounds
mind-numbing and
tedious

Beahler, Sundheim and Trapp (2000) describe a systematic review that retrieved >40,000 abstracts for screening.

1356 met screening criteria to look at full text

207 were included in the final review

A close-up photograph of several hands gently holding a newborn baby. The hands are of different skin tones, suggesting a diverse group of people. The baby is wrapped in a light-colored cloth. The overall mood is warm and supportive.

SYSTEMATIC REVIEW ACCELERATOR

The Centre for Research in Evidence-Based Practice goal for systematic reviews is to:







- 2 Weeks from Start to Finish
- Develop a toolset to streamline and automate processes where possible.
- The goals for automating with library systems
 - Find & download full text from subscriptions
 - Batch requests for document delivery

<https://www.crebpa.net.au/systematic-review-accelerator/>

CREBP PARTNERSHIP WITH BOND UNIVERSITY LIBRARY

The partnership explored these questions?

- Can Primo APIs be used to find and download full text for a large set of citations?
- Can Alma APIs be used to submit document delivery requests?


Researcher	Library	Developer
		
		

CREBP-SRA


Library Search | Bond Uni

Secure | <https://apac-tc.hosted.exlibrisgroup.com/primo-explore/search?vid=BOND&lang=e...>

Managed bookmarksAlma & PrimoBookmarkletsPureDigital TrackerTweetDeckMATLABOther bookmarks

 BOND UNIVERSITY LIBRARY

HOPKINS, PETA

 LIBRARYSEARCH

LIBRARY RESEARCH GUIDES

E-RESOURCES

A-Z JOURNALS

CITATION SEARCH

...

Search anything

Everything

ADVANCED SEARCH

Help & Feedback

How does this work?

Library Search provides simple, one-stop searching for books and e-books, videos, articles, digital media, and more.

Library Search also helps you manage your research. Sign-in to your account to:

- Check and renew your loans
- Monitor hold and Document Delivery requests
- Request copies of articles from other libraries
- Create favourite lists
- Export citations to RefWorks and Endnote
- View full search results (some databases only show results when you're signed in)

Where can I get help?

[Ask a librarian](#) how to start your search.

A person is shown in silhouette, sitting in a meditative pose on a wooden deck. The background features palm trees and a warm, orange-hued sunset sky. The word "WISHLIST" is written in white capital letters within a white rectangular box in the lower-left area of the image.

WISHLIST

- Better documentation on APIs
 - Encoding format – some characters appear to fail submission of requests
- Error messages are not very helpful – really difficult to understand why some requests fail
 - Is Alma sulking? Although within thresholds, unsuccessful requests have to be resubmitted several times. Some just fail altogether – and it's not clear why.
- Find full text and download
 - highlight unfound citations for document delivery request submission and prevent those with full text from being requested.

Your query

"Thyroid Diseases"[Mesh] OR "Thyroid diseases" OR "Thyroid disease" OR "Thyroid disorder" OR "Thyroid disorders" OR Goiter OR Goitre OR Hypothyroidism OR Hyperthyroidism OR Thyroiditis OR "Graves disease" OR Hyperthyroxinemia OR Thyrotoxicosis OR "Thyroid dysgenesis" OR "Thyroid cancer" OR "Thyroid cancers" OR "Thyroid neoplasm" OR "Thyroid neoplasms" OR "Thyroid nodule" OR "Thyroid nodules" OR "Thyroid tumor" OR "Thyroid tumour" OR "Thyroid tumors" OR "Thyroid tumours" OR "Thyroid cyst" OR "Thyroid cysts" OR "Cancer of the thyroid"

AND

"Prevalence"[Mesh] OR "Epidemiology"[Mesh] OR "Prevalence" OR "Prevalences" OR Epidemiology OR Epidemiological

AND

"Australia"[Mesh] OR Australia OR Australian OR Australasian OR Australasia OR Queensland OR Victoria OR "New South Wales" OR "Northern Territory"

Copy to
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any search box



("Thyroid Diseases"[Mesh] OR "Thyroid diseases" OR "Thyroid disease" OR "Thyroid disorder" OR "Thyroid disorders" OR Goiter OR Goitre OR Hypothyroidism OR Hyperthyroidism OR Thyroiditis OR "Graves disease" OR Hyperthyroxinemia OR Thyrotoxicosis OR "Thyroid dysgenesis" OR "Thyroid cancer" OR "Thyroid cancers" OR "Thyroid neoplasm" OR "Thyroid neoplasms" OR "Thyroid nodule" OR "Thyroid nodules" OR "Thyroid tumor" OR "Thyroid tumour" OR "Thyroid tumors" OR "Thyroid tumours" OR "Thyroid cyst" OR "Thyroid cysts" OR "Cancer of the thyroid")

AND

(Prevalence[Mesh] OR Epidemiology[Mesh] OR Prevalence OR Prevalences OR Epidemiology OR Epidemiological)

AND

(Australia[Mesh] OR Australia OR Australian OR Australasian OR Australasia OR Queensland OR Victoria OR "New South Wales" OR "Northern Territory")

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1.



2.



3.



4.

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